

广西苦苣苔科植物新资料

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New materials of Gesneriaceae from Guangxi, China

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关键词 苦苣苔科; 广西异唇苣苔; 百寿唇柱苣苔; 新种; 新记录; 中国

1 异唇苣苔属

Allocheilos W. T. Wang

原仅 1 种,产贵州西南部 and 云南东部。此属植物在广西是首次记录。

1.1 广西异唇苣苔 新种 图 1:1~3

Allocheilos guangxiensis H. Q. Wen, Y. G. Wei et S. H. Zhong, sp. nov. Fig. 1:1~3

Ab *A. cortusifloro* W. T. Wang foliis bracteis calycibus et corollis omnino majoribus, petiolis teretibus, pedunculis brevioribus, antheris dorso dense barbatis, pistillis glaberrimis, ovariis multo longioribus autem stylis valde brevioribus recedit.

Herba perennis. Rhizoma ca. 5 mm longum et 4 mm crassum. Folia basalia 12~16, petiolata; laminae in sicco chartaceae, late ovatae vel suborbiculatae, 1.5~5.3 cm longae, 1.8~4.8 cm latae, interdum asymmetricae, apice obtusae raro rotundae, basi cordatae, margine crenatae raro dentatae, supra pilosae, subtus subadpresse secus nervos interdum densius brunneo-villosae, nervis lateralibus utrinsecus (3~)4~5, subtus cum costa prominulis; petioli 1.3~4.2 cm longi, teretes, 1~1.5 mm crassi, patenter brunneo-villosi. Cymae 2~4, axillares, umbelliformes, 1~2-ramosae, 3~16-florae; pedunculi 2~5.6 cm alti, cum pedicellis eodem indumento petiolorum obtecti; bractae oppositae, lineares vel foliiformes, 5~12 mm longae, 1~10 mm latae, intus brunneo-villosae; pedicelli 0.5~2.1 cm longi. Calyx ad basin 5-sectus, segmentis linearibus vel anguste ellipticis, subaequalibus, 5~8 mm longis, 1~2 mm latis, extus sparsim brunneo-villosis. Corolla alba leviter purpureo-suffusa, 12~17 mm longa, extus fere glabra, intus glabra, tubo 7 mm longo, ore ca. 7 mm diam., labio supero ovato, 8~10 mm longo, 6~8 mm lato, indiviso, labio infero 9~10 mm longo, 14~17 mm lato, 4-lobato, lobis triangulatis, 2~3 mm longis. Stamina 2, ca. 5 mm supra basin corollae inserta, filamentis anguste linearibus, ca. 4 mm longis, glabris, antheris ca. 3 mm longis, dorso dense flavo-barbatis; staminodia 2, ca. 2 mm supra corollae basin inserta, filiformia, 1 mm longa, apice paulo dilatata fere glabra. Discus annularis, 1 mm altus. Pi-

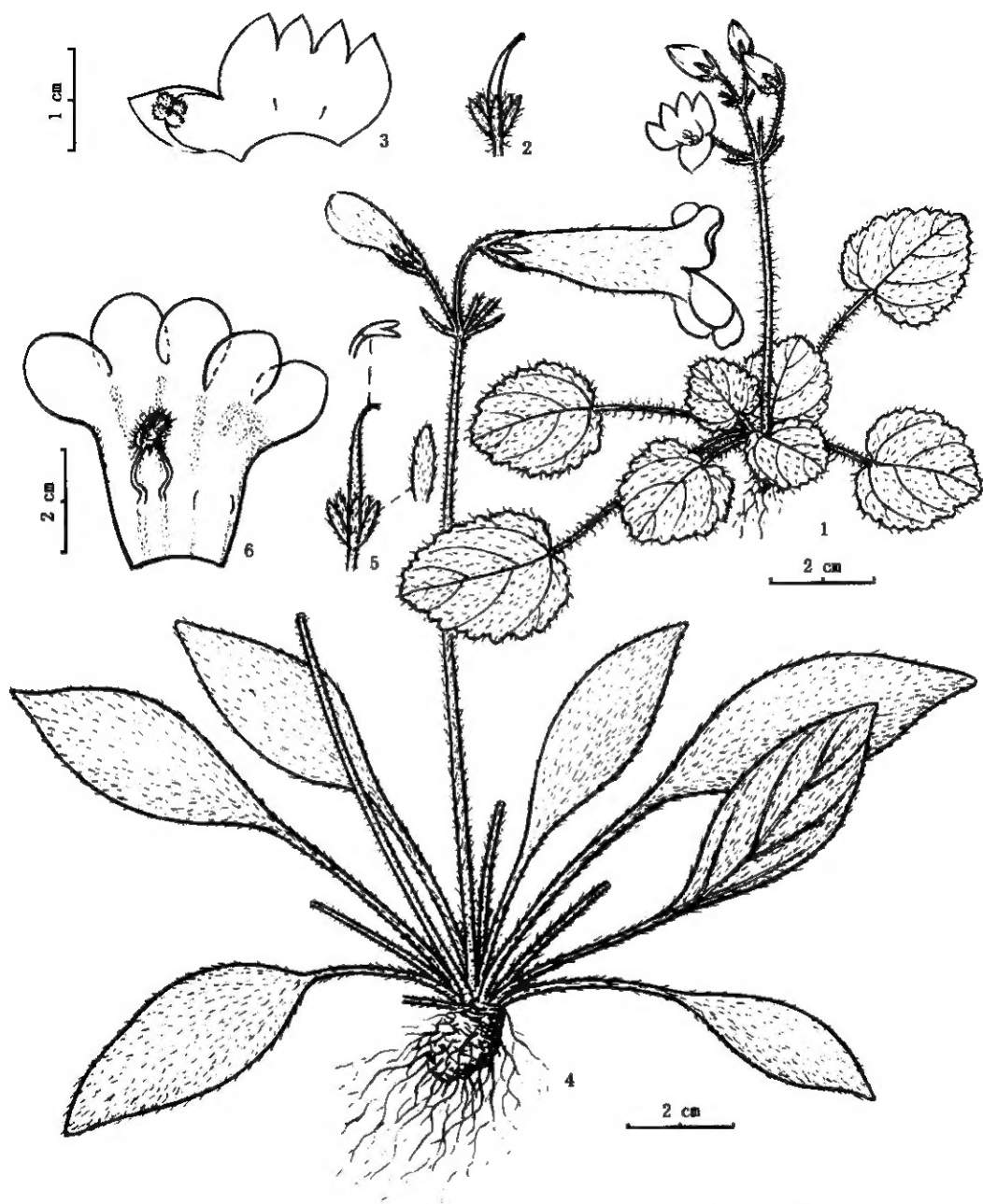


图1 1~3. 广西异唇苣苔 1. 植株; 2. 花萼和雌蕊; 3. 花冠剖开示雄蕊和退化雄蕊。4~5. 百寿唇柱苣苔 4. 植株; 5. 花萼和雌蕊; 6. 花冠剖开示雄蕊和退化雄蕊。(廖信佩 绘)

Fig. 1 1~3. *Allocheilos guangxiensis* H. Q. Wen, Y. G. Wei et S. H. Zhong 1. Plant; 2. Calyx and pistil; 3. Opened corolla with stamens and staminodes. 4~6. *Chirita baishouensis* Y. G. Wei, H. Q. Wen et S. H. Zhong 4. Plant; 5. Calyx and pistil; 6. Opened corolla with stamens and staminodes.

stillum 10~11 mm longum, laeve, ovario 8 mm longo, 0.8 mm lato, subfalcato, stylo ca. 2 mm longo, stigmate subcapituliformi. Capsula non visa.

China. Guangxi (广西): Guilin (桂林), Yanshan (雁山), cultivated in Guangxi Insi.

Bot., alt. 120 m, introduced from Yongfu (永福), 1997-03-13, Y. G. Wei and S. H. Zhong (韦毅刚、钟树华) 97-01 (holotype, IBK).

多年生草本。根状茎长约 5 mm, 粗约 4 mm。叶基生, 12~16 枚; 叶片纸质, 阔卵形至近圆形, 长 1.5~5.3 cm, 宽 1.8~4.8 cm, 有时不对称, 顶端钝至近圆形, 基部心形, 边缘具圆钝齿, 稀为牙齿, 上面被疏柔毛, 下面被近贴伏的褐色长柔毛, 脉上有时较密, 侧脉每边 (3~) 4~5 条, 连同中脉在下面稍隆起; 叶柄长 1.3~4.2 cm, 圆柱形, 粗 1~1.5 mm, 被开展的褐色长柔毛。聚伞花序 2~4, 腋生, 近伞状, 1~2 回分枝, 着花 3~16 朵; 花序梗长 2~5.6 cm, 和花梗同被开展的褐色长柔毛; 苞片对生, 条形至叶状, 长 5~12 mm, 宽 1~10 mm, 上面被褐色长柔毛; 花梗长 0.5~2.1 cm。花萼 5 裂至基部, 裂片条形至狭椭圆形, 近等大, 长 5~8 mm, 宽 1~2 mm, 外面散生褐色长柔毛。花冠白稍带紫色, 长 1.2~1.7 cm, 外面几乎无毛, 内面无毛, 筒长 7 mm, 口部粗约 7 mm, 上唇卵形, 长 8~10 mm, 宽 6~8 mm, 不分裂, 下唇长 9~10 mm, 宽 1.4~1.7 cm, 4 浅裂, 裂片三角形, 长 2~3 mm。雄蕊 2, 生于距花冠基部约 5 mm 处, 花丝狭条形, 长约 4 mm, 无毛, 花药长约 3 mm, 背部密被黄色髯毛; 退化雄蕊 2, 生于距花冠基部约 2 mm 处, 丝状, 长 1 mm, 顶端稍扩大, 几乎无毛。花盘环状, 高约 1 mm。雌蕊长 1.0~1.1 cm, 平滑, 子房长 8 mm, 宽 0.8 mm, 近镰形, 花柱长约 2 mm, 柱头近头状。蒴果未见。花期 3 月。

本种与异唇苣苔 *A. cortusiflorum* W. T. Wang 的区别在于叶、苞片、花萼和花冠均较大, 叶柄圆柱形, 花序梗较短, 花药背部密被髯毛, 雌蕊绝无毛, 子房远较长, 花柱颇短。

2 唇柱苣苔属

Chirita Buch.-Ham. ex D. Don

2.1 百寿唇柱苣苔 新种 图 1:4~6

Chirita baishouensis Y. G. Wei, H. Q. Wen et S. H. Zhong, sp. nov. (*Chirita* sect. *Gibbosaccus* C. B. Clarke). Fig. 1:4~6

A *C. shouchengensi* Z. Y. Li statura majore, calycis lobis crenulatis; a *C. fimbrisepala* Hand-Mazz. foliis angustioribus, integris vel subintegris; ab ambobus foliis ellipticis vel ovato-ellipticis, utrinque dense adpresso-pubescentibus, staminodiis sparsim glanduloso-pubescentibus differt.

Herba perennis. Rhizoma ca. 1~1.5 cm longum et 1.1~1.4 cm crassum. Folia basalia 15~20 vel ultra, petiolata; laminae chartaceae, ellipticae vel ovato-ellipticae, 3~10 cm longae 1.5~4.8 cm latae, symmetricae vel paulo asymmetricae, apice acutae, basi cuneatae subacutaeve, decurrentes, margine integrae raro in quoque latere inconspicue 3~4-crenulatae, utrinque cum petiolis dense adpresso-pubescentes, nervis lateralibus utrinsecus 3~5, subtus cum costa subplanis; petioli complanati, 3~6 cm longi, (1~) 2 mm lati. Cymae 8~15 vel ultra, axillares, umbelliformes, 1~4-florae; pedunculi 6~17 cm alti, cum pedicellis pubescentes; bractae 2 (~3), saepe oppositae, anguste lanceolatae raro falcatae vel sublineares, 7~22 mm longae, 1~3 (~6) mm latae, integrae, apice acutae, utrinque adpresso-pubescentes; pedicelli 1~2.5 cm longi. Calyx prope basin 5-sectus, segmentis lanceolatis vel sublinearibus, 7~13 mm longis, 1.5~2.5 (~4) mm latis, apice acutis, margine supra medium saepe inconspicue 2~3-crenulatis, utrinque adpresso-pubescentibus. Corolla pallide purpurea, (3.7~) 4.5~6.8 cm longa, tubo anguste infundibuliformi, 2.4~3.7 cm longo, extus pubescenti, intus ad maculam purpuream piloso, infra insertio-

nes staminum staminodiorumque pubescenti et lineis quaternatim purpureis ornato, ore 1.5 ~ 2.3 cm diam., labio supero 8 ~ 13 mm longo, 2-secto, lobis late ovatis, labio infero 1.7 ~ 2.5 cm longo, ad medium 3-lobato, lobis late ovatis vel suborbiculatis. Stamina 2, ca. 12 ~ 21 mm supra basin corollae adnata, filamentis subulato-linearibus, 1.0 ~ 1.4 cm longis, infra medium geniculatis, glabris vel inferne sparsim glanduloso-puberulis, antheris(1.5 ~)5 mm longis, dorso dense barbatis; staminodia 2, ca. 9 ~ 17 mm supra basin corollae adnata, lineari-subulata, 5 ~ 8 mm longa, sparsim glanduloso-pubescentia, apice capitata. Discus annularis, 1 ~ 2 mm altus. Pistillum 2.5 ~ 3.7 cm longum, ovario 1.6 ~ 2.7 cm longo, 1 mm lato, dense adpresso-pubescenti, stylo 6 ~ 10 mm longo, glanduloso-pubescenti, stigmatibus ca. 2 mm longo, 2-fido, lobis anguste triangularibus. Capsula ignota.

China. Guangxi(广西): Guilin(桂林), Yanshan(雁山), cultivated in Guangxi Inst. Bot., alt. 120 m, introduced from Yongfu(永福), 1997-03-14, Y. G. Wei and S. H. Zhong(韦毅刚、钟树华)97-02(holotype, IBK).

多年生草本。根状茎长约 1 ~ 1.5 cm, 粗约 1.1 ~ 1.4 cm。叶基生 15 ~ 20 或过之; 叶片纸质, 椭圆形或卵状椭圆形, 长 3 ~ 10 cm, 宽 1.5 ~ 4.8 cm, 对称, 先端急尖, 基部楔形或稍急尖, 下延, 边全缘, 稀两边有 3 ~ 4 枚不明显的小钝齿, 连同叶柄被贴伏的短柔毛, 侧脉每边 3 ~ 5 条, 和中脉在下面近扁平; 叶柄扁, 长 3 ~ 6 cm, 宽(1 ~)2 mm。聚伞花序 8 ~ 15 或过之, 腋生, 近伞状, 有 1 ~ 4 花; 花序梗长 6 ~ 17 cm, 连同花梗被短柔毛; 苞片 2(~ 3), 常对生, 狭披针形, 稀镰刀状或近条形, 长 7 ~ 22 mm, 宽 1 ~ 3(~ 6) mm, 全缘, 顶端急尖, 两面被贴伏的短柔毛; 花梗长 1 ~ 2.5 cm。花萼 5 裂近基部, 裂片披针形或近条形, 长 7 ~ 13 mm, 宽 1.5 ~ 2.5(~ 4) mm, 顶端急尖, 中部之上常有 2 ~ 3 枚不明显的小钝齿, 毛被同苞片。花冠淡紫色, 内面具紫色斑纹和 4 条紫色条纹, 长(3.7 ~)4.5 ~ 6.8 cm, 筒狭漏斗状, 长 2.4 ~ 3.7 cm, 外面被短柔毛, 内面在紫色斑上被疏柔毛, 在雄蕊和退化雄蕊贴生处被短柔毛, 口部粗 1.5 ~ 2.3 cm, 上唇长 8 ~ 13 mm, 2 全裂, 裂片宽卵形, 下唇长 1.7 ~ 2.5 cm, 3 半裂, 裂片宽卵形或近圆形。雄蕊 2, 生于距花冠基部约 1.2 ~ 2.1 cm 处, 花丝钻状条形, 长 1.0 ~ 1.4 cm, 中部之下膝状弯曲, 无毛或下部疏被腺状微毛, 花药长(1.5 ~)5 mm, 背部密被髯毛; 退化雄蕊 2, 生于距花冠基部约 9 ~ 17 mm 处, 条状钻形, 长 5 ~ 8 mm, 散生腺状短柔毛, 顶端头状。花盘环状, 高 1 ~ 2 mm。雌蕊长 2.5 ~ 3.7 mm, 子房长 1.6 ~ 2.7 cm, 宽 1 mm, 密被伏柔毛, 花柱长 6 ~ 10 mm, 被腺状短柔毛, 柱头长约 2 mm, 2 半裂, 裂片狭三角形。蒴果未见。花期 3 ~ 4 月。

本种与寿城唇柱苣苔 *C. shouchengensis* Z. Y. Li 的区别在于形体较大, 萼裂片有小钝齿; 与蚂蝗七 *C. fimbrisejala* Hand.-Mazz. 的区别在于叶较狭, 全缘或近全缘; 与这两种的区别在于叶椭圆形或卵状椭圆形, 两面密被伏柔毛, 退化雄蕊被腺状短柔毛。

2.2 黄山唇柱苣苔

Chirita langshanica W. T. Wang in Guihaia 12(4): 293, fig. 2: 1 ~ 3, 1992; W. T. Wang et al. in Fl. China 18: 327. 1998.

Guangxi(广西): Guilin(桂林), Yanshan(雁山), alt. 120 m, transplanted in Guangxi Inst. Bot. from Ziyuan County, 1995-04-20, Y. G. Wei and S. H. Zhong(韦毅刚和钟树华)

95-15(IBK).

分布于湖南西南部至广西东北部。在广西为首次记录。

3 长蒴苣苔属

Didymocarpus Wall.

3.1 东南长蒴苣苔

Didymocarpus hancei Hemsl. In Journ. Linn. Soc., Bot. 26:229. 1890; W. T. Wang in Fl. Reip. Pop. Sin. 69:442. Pl.122. 1990; W. T. Wang *et al.* in Fl. China 18:357. 1998.

Guangxi(广西); Guilin(桂林), Yianshan(雁山), alt. 120 m, transplanted in Guangxi Inst. Bot. from Ziyuan County, 1995-05-27, Y. G. Wei and S. H. Zhong(韦毅刚和钟树化) 95-26(IBK).

分布于福建、江西、广东、湖南和广西东北部。在广西为首次记录。

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